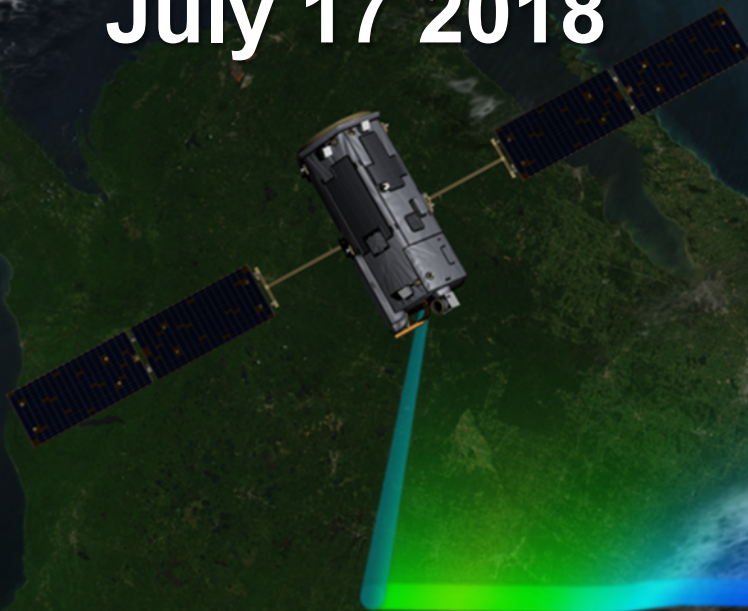




OCO-2 Status July 17 2018



David Crisp, for the OCO-2 Team

Jet Propulsion Laboratory, California Institute of Technology

July 19, 2018



Status Summary

- **Observatory Status: Nominal**
 - Latest Drag Makeup Maneuver (DMUM) on 7 June 2018
 - Next DMUM depends on CALIPSO
 - If CALIPSO does not leaves the A-Train in mid-Sept, next DMUM ~27 Sept
 - If CALIPSO does leave the A-Train in mid-Sept, next DMUM ~17 Oct
 - Formation flying overlap expected to be ~66% through this cycle
- **Instrument Status: Nominal**
 - Most recent Decontamination Cycle conducted 13-20 February
 - Discussions of next decontamination cycle under way
- **Science Status: Nominal**
 - Analysis of data from 10th annual RRV campaign under way
 - Two reprocessing efforts are ongoing
 - “Version 9” Lite file updates (geolocation, met re-sampler fix)
 - ACOS GOSAT V8 processing
 - Plans for the Version 10 product coming together



The 2018 Fall AGU Meeting

- 2018 is the 100th anniversary for the American Geophysical Union
 - Location and date: Washington DC on 10-14 December
 - Venue: Walter E. Washington Convention Center, located at 801 Mount Vernon Place, NW, Washington, DC 20001.
 - Expected attendance: ~24,000
- **Abstract submission deadline: 1 August 2018 23:59 EDT/03:59 +1 GMT**
- The AGU meeting provides a broad forum for discussions of OCO-2, OCO-3, GOSAT and their contributions to carbon cycle science
 - Oral and Poster sessions
 - Hyperwall talks
- GOSAT/OCO-2/GOSAT-2/OCO-3 Technical Interface Meeting (TIM)
 - Plans are TBD. Discussions will start on Thursday
 - GOSAT-2 is expected to launch before the AGU
- SIF Applications Workshop – Organizers: Karen Yuen, Xiagming Xiao



Sessions of Interest to the OCO-2 Team (1)

- A091: Remote Sensing of CH₄ and CO₂ from Space: New Observing System Capabilities.
 - Convener: Eldering et al.
- A107: Understanding and attributing greenhouse gas fluxes from urban systems and major hot-spots,
 - Convener: Riley Duren et al.
- A066: Lidar Investigations of Greenhouse Gases, Aerosols, & Clouds.
 - Convener: Abshire et al.
- B073: Sun-induced chlorophyll fluorescence as a proxy of photosynthesis: measurements, modeling, and applications from field, airborne, and satellite platforms:
 - Convener: Joiner et al.
- A037: Constraining Biosphere-Atmosphere Exchange Processes using Remote-sensing and In Situ Observations
 - Convener: Goeckede et al.



Sessions of Interest to the OCO-2 Team (2)

- B081: The Resilience and Vulnerability of Arctic and Boreal Ecosystems to Climate Change
 - Convener: Michelle Mack et al.
- B013: Carbon Monitoring Systems Research and Applications.
 - Convener: David Lagomasino, et al.
- GC072. Partnerships for Advancing and Facilitating Science: The State of the Carbon Cycle & 20 years of Research Coordination.
 - Convener: Shrestha et al.
- GC082: State of the Carbon Cycle in North America: Key Findings from Assessing a Decade of Science, Decisions, and Management Impacts.
 - Convener: Shrestha et al.



Planned OCO-2/OCO-3/GOSAT Related Talks

- OCO-2
 - Crisp – high level overview of OCO-2
 - O'Dell – Version 9 bias correction and plans for B10
 - Fisher – Preliminary analysis of the Version 9 data
 - Matt Keil – Details of V9 pointing update
 - Hobbs, Braverman et al. – Uncertainty Quantification
 - Crowell – Flux MMIP, Junjie, CMS...
- OCO-3
 - Eldering – OCO-3 + press event on OCO-3
- GOSAT Papers:
 - Four (T. B. D.)* papers by EORC submitted to A091: Remote Sensing of CH₄ and CO₂ from Space session
 - One paper on decade long RRV campaign and next plan
 - One paper on anthropogenic CH₄ emission to the CH₄ session